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APR 14 2008

THE CLAIMS

Please rewrite the claims as follows:

1. (Currently Amended) A golf ball comprising a center, an intermediate layer and a cover disposed over the center, and a cover disposed about the intermediate layer, wherein at least one interpenetrating polymer network is present in the cover, wherein the interpenetrating polymer network is formed from a material consisting essentially of a urethane, an epoxy homopolymer or copolymer, a homopolymer or copolymer having backbone or pendant ester groups, a polyimide or copolymer including imide groups, a polysilane homopolymer or copolymer, a silicone homopolymer or copolymer, a polysiloxane homopolymer or copolymer, and combinations thereof, and wherein the shear resistance rating of the cover is at least 1 rating category lower than that measured for a cover comprising a polymer blend or mixture that is substantially free of IPN and that is made of the same components as the IPN, and wherein at least one of the center, the intermediate layer, and the cover has a foamed structure.
2. (Canceled)
3. (Currently Amended) The golf ball of claim 1, wherein the cover has at least one of a dimple coverage of greater than about 60 percent, a hardness of greater than about 15 Shore A, or a flexural modulus of greater than about 500 psi, and wherein the golf ball has at least one of a compression no greater than about 120 or a coefficient of restitution of greater than about 0.7.
4. (Previously Presented) A golf ball comprising a core, a cover, and an intermediate layer, wherein at least one of the cover or intermediate layer comprises a non-ionomeric interpenetrating polymer network, wherein the interpenetrating polymer network is formed from at least two polymeric components selected from the group consisting of a urethane, an epoxy homopolymer or copolymer, a homopolymer or copolymer having backbone or pendant ester groups, a polyimide or copolymer including imide groups, a polysilane homopolymer or copolymer, a silicone homopolymer or copolymer, a polysiloxane homopolymer or copolymer, a homopolymer or copolymer including halogen groups, a homopolymer or copolymer including a uretdione group, and

combinations thereof, and wherein the IPN exhibits a ΔT_g between any two of the polymeric components at least about 5% less than the ΔT_g between a polymer blend comprising the same polymeric components.

5. - 9. (Canceled)

10. (Currently Amended) A golf ball comprising a core, a cover, and an intermediate layer, wherein at least one of the cover or intermediate layer comprises a non-ionomeric interpenetrating polymer network, wherein the [[an]] interpenetrating polymer network is formed from at least two polymeric components selected from the group consisting of a urethane, an epoxy homopolymer or copolymer, a homopolymer or copolymer having backbone or pendant ester groups, a polyimide or copolymer including imide groups, a polysilane homopolymer or copolymer, a silicone homopolymer or copolymer, a polysiloxane homopolymer or copolymer, a homopolymer or copolymer including halogen groups, a homopolymer or copolymer including a uretdione group, and combinations thereof, wherein the IPN exhibits a ΔT_g between any two of the polymeric components at least about [[5%]] 20% less than the ΔT_g between a polymer blend comprising the same polymeric components.

11. (Currently Amended) The golf ball of claim [[10]] 4, wherein the IPN exhibits a ΔT_g between ~~any two of the polymeric components at least about 20% less than the ΔT_g between a polymer blend comprising the same at least two polymeric components~~ only one observable T_g for any two of the polymeric components.

12. (Previously Presented) The golf ball of claim 10, wherein the IPN exhibits a ΔT_g between any two of the polymeric components at least about 50% less than the ΔT_g between a polymer blend comprising the same at least two polymeric components.

13. (Previously Presented) The golf ball of claim 10, wherein the IPN exhibits only one observable T_g for any two of the polymeric components.

14. (Currently Amended) A golf ball comprising a core, a cover, and an intermediate layer, wherein at least one of the cover or intermediate layer comprises a non-ionomeric

[[an]] interpenetrating polymer network formed from at least two polymeric components selected from the group consisting of a urethane, an epoxy homopolymer or copolymer, a homopolymer or copolymer having backbone or pendant ester groups, a polyimide or copolymer including imide groups, a polysilane homopolymer or copolymer, a silicone homopolymer or copolymer, a polysiloxane homopolymer or copolymer, a homopolymer or copolymer including halogen groups, a homopolymer or copolymer including a uretdione group, and combinations thereof, wherein the IPN exhibits a ΔT_g between any two of the polymeric components at least about 5% less than the ΔT_g between a polymer blend comprising the same polymeric components, and wherein at least one of the at least two polymeric components is a crystallizable polymeric component that exhibits an area under a melting endotherm of at least about 2% less than the area under the melting endotherm of a homopolymer of the same crystallizable polymeric component.

15. (Original) The golf ball of claim 14, wherein the crystallizable polymeric component exhibits an area under a melting endotherm of at least about 10% less than the area under the melting endotherm of the homopolymer of the same crystallizable polymeric component.

16. (Currently Amended) A golf ball comprising a core, a cover, and an intermediate layer, wherein at least one of the core, cover, or intermediate layer comprises an interpenetrating polymer network formed from at least two polymeric components selected from the group consisting of a urethane, an epoxy homopolymer or copolymer, a homopolymer or copolymer having backbone or pendant ester groups, a polyimide or copolymer including imide groups, a polysilane homopolymer or copolymer, a silicone homopolymer or copolymer, a polysiloxane homopolymer or copolymer, a homopolymer or copolymer including halogen groups, a homopolymer or copolymer including a uretdione group, and combinations thereof, wherein at least one of the at least two polymeric components exhibits an average phase size at least about 10% less than the average phase size of that phase separated component in a blend or mixture of the at least two components.

17. (Previously Presented) The golf ball of claim 16, wherein at least one of the at least two polymeric components exhibits an average phase size at least about 20% less than the average phase size of that phase separated component in a blend or mixture of the at least two components.

18. (Original) The golf ball of claim 1, wherein the center comprises a solid sphere or a fluid-filled sphere.
19. (Currently Amended) The golf ball of claim [[2]] 1, wherein the ~~at least one~~ intermediate layer comprises a tensioned elastomeric material.
20. (Canceled)
21. (Original) The golf ball of claim 1, wherein the cover comprises at least an inner cover layer and an outer cover layer.
22. – 38. (Canceled)
39. (Previously Presented) A golf ball comprising a core, and intermediate layer, and a cover, wherein the intermediate layer comprises an interpenetrating polymer network formed from a material selected from the group consisting of a homopolymer or copolymer including halogen groups.
40. – 44. (Canceled)
45. (Previously Presented) The golf ball of claim 39, wherein the cover comprises thermoset or thermoplastic polyurethane.
46. (Previously Presented) The golf ball of claim 39, wherein the cover comprises polyurea.
47. (Canceled)
48. (Currently Amended) The golf ball of claim [[47]] 16, wherein the cover comprises the interpenetrating network.

49. (Previously Presented) A golf ball comprising a core and a cover, wherein at least a portion of the golf ball comprises an interpenetrating polymer network formed from a material selected from the group consisting of a homopolymer or copolymer including halogen groups.

50. (Previously Presented) The golf ball of claim 49, wherein the cover comprises the interpenetrating polymer network.

51. (Previously Presented) The golf ball of claim 49, further comprising an intermediate layer disposed between the core and the cover, and wherein the intermediate layer comprises a thermoplastic material.